

IGS UPRATE PROJECT STAFF UPDATE

Meeting Agenda

Date: June 13, 2002

1:00 PM, Conference Room 4

Purpose of the Meeting

To update IPSC Staff on the progress, schedule and problems with uprating IGS units. To get instruction, direction and approval as needed for successful completion of the project.

JH Original Spreadsheet presented

- 1. Review of Project Economics

W/OFA (no SNCR)

- 2. Boiler Concerns After Uprate

BW proposal

4/11/02 3/15

NOx Emissions - The Tale of Two Different Tests

4 graphs - Jerry

Fuel Appears to Be Biggest Variable

BW Proposal

What are our possible solutions?

- 1. ~~Gamble~~ close
- 2. Run at reduced loads
- 3. Overfire air 10-15% reduction

↑LOI  
CO monitors - ↑CO  
Sole Source to BW 7/11

Steam Temperatures

Additional Superheat Surface

platen / PSH / modeling  
IR-5B / FEAT

Need summary sheets  
950MW

Fuel Input

coal quality

PA Fan Capacity (Pulv - seal air fan)

as needed - high speed + 2000amps

Pulverizer Capacity

Pulverizer Rejects - rejects hopper + injector pump / pyrites screen (change)

Pulv Rotating throats - Deutch Babcock

- 3. Baghouse, Scrubber and Draft Concerns

1 shot out - marginal 3 fan / maint not out for PM

4378

Baghouse DP

instrumentation

ID Fan Amps

950 need 3 ID fans 1 link

have to bias down / 2 links Derate

JHC

ID Fan Transformer Temperatures and Overloading

(W) derate motors - evaluation (1000rpm)

ID Fan Capacity

ext flow - need both ATC  
3rd HVAC system

Drives change out (2 fans in 4 weeks water coolers)

\* evaluation - need air flow

speed motors up 10%

- 4. Turbine - Generator

Results of Performance Testing

POT - calc

Preliminary Alstom Report on Generator

revised report

950MW OK 4% capability

VAR support

280MVAR

0.96 min

(-40amps)

- 5. Aux Electric System

Results of CEntry Load Study - No Easy Solution to Bus Loading Equalization (\$100K / 2 units)

need 5MW

FD's on PMS SWAP // move DAK over

Pulv motors

- 6. Status of Helper Cooling Tower

Pipe Has Been Awarded to Ameron

Construction is Out for Bid

Water Balance - ↑ usage

(need to reduce CT blowdown

need plan

- 7. FuelTech Presentation, Other Items

FA need more settling basin return

JHC's stuff

agenda sheet

Need - losses @ reduced loads / \$

curves NOx

need - ID fan spreadsheet / Aux Power

(get fans this)